

**Autumnwood ESH Consultants, LLC**

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Mount Pleasant, Wisconsin 53403
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7 December 2015

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois RCRA CMI Monthly Progress Report for November 2015

Dear Mr. Nordine:

Enclosed please find the RCRA CMI Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of November 2015.

The eDMR for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR for November 2015, are also attached to this report.

If you have any comments or questions regarding the progress of this project, please contact me at (262) 237-1130.

Sincerely,

Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

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|-----|-----------------|--------------|
| cc: | Joyce Munie | IEPA |
| | Robert Kay | USGS |
| | Gerald W. Ruopp | Central Wire |
| | Robert Johnson | Central Wire |

MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
November 2015

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 631,000 gallons per day with a maximum daily flow of 642,000 gallons per day and met effluent limitations for pH, 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for November 2015 is attached to this report.

The laboratory analytical report for the pump and treat effluent noted that the groundwater pump & treat effluent samples were collected on November 18 and arrived at the lab on November 19, 2015 at 0.5° C.

The **Ex. 6 Personal Privacy (PP)** well ran for a total of 0 hours from November 2 to November 16, 2015 when the pump engines were demobilized and stored for the winter. The **Ex. 6 Personal Privacy (PP)** ran for 1 hour during this period. This is detailed by week in Table 1, below.

Table 1
Summary of 2015 Irrigation Pumping Hours per Week at **Ex. 6 Personal Privacy (PP)**
(November 2, 2015 through November 16, 2015)

| Date of Hour Meter Reading | Ex. 6 Personal Privacy (PP) | | | |
|-------------------------------|------------------------------------|--------------|-----------------------|--------------|
| | Hour Meter Reading | Hours Pumped | Hour Meter Reading | Hours Pumped |
| 10/26/2015 | 5869 | 0 | 3641 | 0 |
| 11/2/2015 | 5869 | 0 | 3642 | 1 |
| 11/9/2015 | 5869 | 0 | 3642 | 0 |
| 11/16/2015 | 5869 | 0 | 3642 | 0 |
| Totals | | 0 | | 1 |

The groundwater level monitoring data from downgradient monitoring well DGW-2I for November 2015, precipitation and irrigation well pumping over the month have been graphed / plotted and are attached to this report as Table 2. The depth to water from the top of casing in DGW-2I on November 2, 2015 was 6.78 feet. The depth to water on December 3, 2015 was 4.93 feet. The net variation in groundwater levels over the month was 1.85 feet. The data logger is 30.25 feet below the top of casing; therefore, there were 25.32 feet of water above the data logger on December 3, 2015 (see line 2981 of the attached Water Level – Precip – 110-2015.xlsx file).

In November 2015, the groundwater elevation varied between a low of 813.132 feet above MSL on November 12, 2015 to a high of 816.334 feet above MSL on December 3, 2015 resulting in a total of 3.202 foot variation over the month. There was 5.75 inches of rainfall in November 2015 recorded by the National Weather Service at Marengo, IL.

Central Wire filled all cracks in the asphalt cap.

Central Wire removed the data loggers from monitoring well DGW-2I and will send both loggers to the factory for calibration prior to next year's water level monitoring.

2. **Summary of Validated Data and Results** – The monthly effluent sampling took place on November 18, 2015. The permit limitations and analytical results are shown in Table 3, below.

Table 3
Central Wire Union Illinois Pump & Treat Discharge Analytical Results

| Parameter | Effluent Limitation (Daily Maximum), µg/L | November 2015 Analytical Results, µg/L |
|-----------------------|---|--|
| 1,1,1-Trichloroethane | 20 | < 0.38 |
| Tetrachloroethene | 20 | < 0.37 |
| Trichloroethene | 20 | <0.16 |

The November NPDES analytical report is attached to this Monthly Progress Report.

This report also had environmental analytical results for the North Pond and South Pond. These ponds are Illinois EPA-regulated seepage ponds for Central Wire's rinse waters from the annealing process, non-contact cooling water, boiler blowdown and storm water.

3. **Upcoming Events/Activities Planned** – Central Wire will continue to operate the existing remediation systems. Effluent samples will be collected, analyzed and reported as required in our NPDES permit.

The semiannual groundwater monitoring well and residential well sampling event is planned for December 9th & 10th.

4. **Anticipated Problem Areas and Recommended Solutions** – None.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.